



Existing conditions



Design Visualization  
Anticipated construction  
Spring 2003

From this...

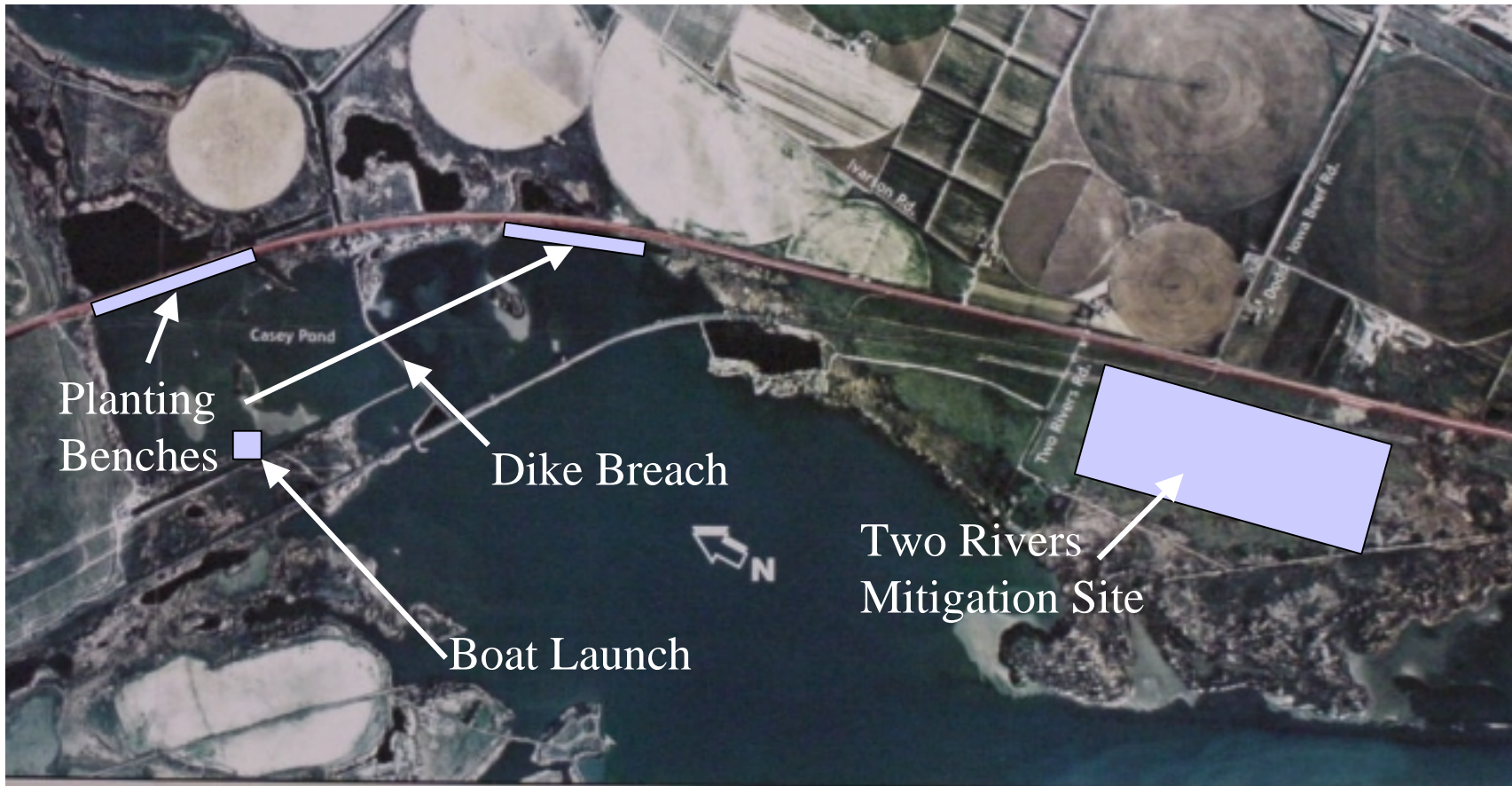


To this...

## US 12 McNary Pool to Attalia

This project widens a 3-mile section of US 12 from 2 to 4 lanes in a rural area of Walla Walla County. It is one phase of a multi-phase project that will ultimately add 2 lanes to US 12 for a total of 12.2 miles. The mitigation features *in this phase* – wetland creation on the nearly 21-acre Two Rivers mitigation site – have been accepted as the mitigation for wetland impacts on the entire 12.2-mile corridor. These impacts include 9.6 acres of vegetated wetlands and 4.7 acres of open water. Accordingly, the mitigation costs incurred in this 3-mile phase are high, but they will eventually be spread across the entire 12.2-mile project. The total project cost for the 3-mile phase, including the work on the 21-acre mitigation site, is \$10,200,000.

# US 12 McNary Pool to Attalia Mitigation Project Map



This is an arid region with precipitation under 8 inches per year.  
Stormwater treatment for this project is provided through vegetated side slopes and ditches.  
No additional stormwater ponds or swales will be required.



# US 12 McNary Pool to Attalia Wetlands

The wetland areas impacted by this project, as well as the Two Rivers wetland mitigation site, are owned by the U.S. Army Corps of Engineers and managed by the U.S. Fish and Wildlife Service.

At the Two Rivers mitigation site, a new pond will be excavated. Excavated material taken from this site will be used elsewhere within the project limits. As a part of this work, shoreline slopes will be planted with emergents, shrubs, and trees, for the enhancement of habitat. This will result in a much more diverse ecosystem.

Due to highway widening, the shorelines adjacent to the highway at the Casey ponds will be impacted. In these areas, this project will construct “planting benches,” which will be planted with emergent plants, shrubs, and trees. The upper portions of these slopes will be seeded with grasses.

Local Native American tribes were consulted on plants traditionally found in the area. These plants were included in the planting list for the project.



**Existing  
Two  
Rivers  
Site**



**Existing  
Casey  
Pond**

# US 12 McNary Pool to Attalia Recreational Access

Additional mitigation includes the construction of a new recreational boat launch facility. The existing boat launch, pictured top right, will be removed and seeded as a mitigation measure.

The new boat launch will replace the existing facility, which will be impacted by construction of the additional highway lanes. The new boat launch site, as it currently exists, is pictured below right.



**Existing Boat Launch to be Removed**



**New Boat Launch Site**



# US 12 McNary Pool to Attalia Additional Mitigation Elements

The existing dike between the Upper and Lower Casey ponds will be breached to allow water to flow between the ponds and allow for fish passage. The dike, as it currently exists, is pictured here.

The existing dike access road will be obliterated and seeded as an additional mitigation measure.

Total costs for these mitigation measures, including the boat launch relocation, dike breach, and revegetation of the existing dike road, is \$210,000



# US 12 McNary Pool to Attalia

## Mitigation Costs

Phase Costs	
Preliminary Engineering	\$1.85M
Right of Way	\$0.24M
Construction	\$8.11M
Total	\$10.20M

Mitigation Costs			
Mitigation Elements	Const. Costs <sup>(1)</sup>	Total Project Costs <sup>(*)</sup>	% of Total Project Cost
Wetland and bench	\$1.80M	\$2.83M	28.0%
Recreation access	\$0.17M	\$0.20M	2.0%
Subtotal of mitigation items		\$3.03M	30.0%
All other items		\$7.17M	70.0%
Total		\$10.20M	

<sup>(1)</sup> Construction cost includes mobilization, sales tax, and construction engineering.

<sup>(\*)</sup> All-in cost includes allocation, preliminary engineering, and right of way added to construction cost.

28%



Wetlands \$2,830,000

2%



Recreation Access \$210,000